Author index

Ahnström, G.
Inhibition of DNA strand break rejoining in ultraviolet-irradiated human cells: comparison of aphidicolin and cytosine arabinoside (1007) 357
Akimoto, S., see Sakikawa, T. (1007) 158
Alitalo, K., see Bianchi, N.O. (1007) 350
Ames, B.N., see Blum, P.H. (1007) 196
Anderson, A., see Srivastava, G. (1007) 192
Anderson, Jr., W.R., see Birdsall, W.J. (1007) 176
Anderson, J.V., see Wolfe, S.A. (1007) 140
Andrew, P.W., see Mitchell, T.J. (1007) 67
Aprile, A., see Ferrari, N. (1007) 30
Arai, N., see Ramanathan, L. (1007) 283
Arai, Y., Mukai, T. and Hori, K.
Transcription of rat aldolase B gene: Minor RNAs are transcribed by RNA polymerase III (1007) 91
Avramova, Z., Mikhailov, I. and Tsanev, R.
An evolutionarily conserved protein fraction stably linked to DNA (1007) 109

Barberis, A., see Superti-Furga, G. (1007) 237
Bartnik, E. and Doerfler, W.
Chromatin structure and levels of expression and DNA methylation in the E3 region of chromosomally integrated adenovirus type 12 DNA (1007) 228
Bawden, M.J., see Srivastava, G. (1007) 192
Beerman, T.A., see Woynarowski, J.M. (1007) 116
Benne, R.
RNA-editing in trypanosome mitochondria (1007) 131
Bianchi, M.S., see Bianchi, N.O. (1007) 350
Bianchi, N.O., Bianchi, M.S., Alitalo, K. and De la Chapelle, A.
The methylation pattern of normal and truncated amplified human c-*myc* oncogenes (1007) 350
Birdsall, W.J., Anderson, Jr., W.R. and Foster, N.
Studies of interactions of porphyrins with transfer RNA by high-resolution NMR (1007) 176
Bloemendal, H. and Pieper, F.R.
Intermediate filaments: known structure, unknown function (1007) 245
Blum, P.H. and Ames, B.N.
Immunochemical identification of a tRNA-independent cytokinin-like compound in *Salmonella typhimurium* (1007) 196
Boulnois, G.J., see Mitchell, T.J. (1007) 67
Busslinger, M., see Superti-Furga, G. (1007) 237

Campain, J.A., see Cosgrove, D.E. (1007) 44
Chang, H.-C., see Liao, T.-H. (1007) 15
Chang, W.-C., see Chao, S.-C. (1007) 233
Chao, S.-C., Pan, F.-M. and Chang, W.-C.
Purification of carp growth hormone and cloning of the complementary DNA (1007) 233
Cosgrove, D.E., Campain, J.A. and Cox, G.S.
Chorionic gonadotropin synthesis by human tumor cell lines: examination of subunit accumulation, steady-state levels of mRNA, and gene structure (1007) 44
Cox, G.S., see Cosgrove, D.E. (1007) 44
Crevel, G., Laine, B., Sautière, P. and Galleron, C.
Isolation and characterization of DNA-binding proteins from the cyanobacterium *Synechococcus* sp. PCC 7002 (*Agmenellum quadruplicatum*) and from spinach chloroplasts (1007) 36

Darkin, S.J. and Ralph, R.K.
A protein factor that enhances amsacrine-mediated formation of topoisomerase II-DNA complexes in murine mastocytoma cell nuclei (1007) 295
Davie, J.R., see Nickel, B.E. (1007) 23
De la Chapelle, A., see Bianchi, N.O. (1007) 350
Den Dulk, H., see Tasseron-de Jong, J.G. (1007) 215
Dewey, W.C., see Wong, R.S.L. (1007) 224
Di Mascio, P., Wefers, H., Do-Thi, H.-P., Lafleur, M.V.M. and Sies, H.
Singlet molecular oxygen causes loss of biological activity in plasmid and bacteriophage DNA and induces single-strand breaks (1007) 151
Do-Thi, H.-P., see Di Mascio, P. (1007) 151
Doerfler, W., see Bartnik, E. (1007) 228
Doetsch, P.W., McCray, Jr., W.H. and Valenzuela, M.R.L.
Partial purification and characterization of an endonuclease from spinach that cleaves ultraviolet light-damaged duplex DNA (1007) 309

Englander, E. and Moav, B.
Cloning and characterization of a histone gene family in *Tilapia* fish (1007) 277

Farina, B., see Quesada, P. (1007) 167
Fassina, G., see Ferrari, N. (1007) 30
Ferrari, N., Rocco, M., Aprile, A., Fassina, G. and Vidali, G.
Interaction retinol–chromatin: an analysis of DNA from vitamin A-treated V79 Chinese hamster cells (1007) 30
Foster, N., see Birdsall, W.J. (1007) 176

Galleron, C., see Crevel, G. (1007) 36
Gannon, F., see Keaveney, M. (1007) 289
Gedamu, L., see Misra, S. (1007) 325
Giphart-Gassler, M., see Tasseron-de Jong, J.G. (1007) 215
Goulding, M.D. and Ralph, R.K.
Cyclic-AMP-induced c-*fos* expression and its relevance to differentiation of a transformed mast cell line (1007) 99
Gray, Jr., H.B., see Lau, P.P. (1007) 73
Grimes, S.R., see Wolfe, S.A. (1007) 140

Hirvonen, A.
Ornithine decarboxylase activity and the accumulation of its mRNA during early stages of liver regeneration (1007) 120
Hori, K., see Arai, Y. (1007) 91
Hori, K., see Sakakibara, M. (1007) 334
Huberman, J.A., see Umek, R.M. (1007) 1

Iida, Y.
Quantification analysis of 5′-splice signal sequences in mRNA precursors. Mutations in rabbit β-globin gene (1007) 270
Iizasa, T., see Taira, M. (1007) 203
Ikegami, S., see Isomura, H. (1007) 343

Isomura, H., Itoh, N. and Ikegami, S.
RNA synthesis in starfish embryos: developmental consequences of its inhibition by formycin (1007) 343
Itoh, N., see Isomura, H. (1007) 343

Jones, R., see Quesada, P. (1007) 167

Kapp, L.N., see Wong, R.S.L. (1007) 224
Karp, M.
Expression of bacterial luciferase genes from *Vibrio harveyi* in *Bacillus subtilis* and in *Escherichia coli* (1007) 84
Keaveney, M., Neilan, J. and Gannon, F.
An analysis by restriction enzymes of the genomic structure of the 3′ untranslated region of the human estrogen receptor gene (1007) 289
Kimura, T., Takeya, T. and Takanami, M.
Reconstitution of nucleosomes in vitro with a plasmid carrying the long terminal repeat of Moloney murine leukemia virus (1007) 318
Kodaira, K.-I., Nakano, K. and Taketo, A.
Mutational analysis of the bacteriophage α3 origin of complementary DNA synthesis: in vivo properties of mutants (1007) 359
Koikeda, S., see Shibata, H. (1007) 184
Kojima, K., see Yoshida, S. (1007) 61
Kowalski, D., see Umek, R.M. (1007) 1

Labdon, J.E., see Ramanathan, L. (1007) 283
Lafleur, M.V.M., see Di Mascio, P. (1007) 151
Laine, B., see Crevel, G. (1007) 36
Laroche, A., see Savard, L. (1007) 264
Lau, P.P., Zhou, X.-g. and Gray, Jr., H.B.
Ethidium bromide-mediated renaturation of denatured closed circular DNAs: mechanistic aspects and fractionation of DNA on a molecular weight basis (1007) 73
Le, H.V., see Ramanathan, L. (1007) 283
Lemieux, G., see Savard, L. (1007) 264
Liao, T.-H., Liao, W.-C., Chang, H.-C. and Lu, K.-S.
Deoxyribonuclease II purified from the isolated lysosomes of porcine spleen and from porcine liver homogenates. Comparison with deoxyribonuclease II purified from porcine spleen homogenates (1007) 15
Liao, W.-C., see Liao, T.-H. (1007) 15
Linskens, M.H.K., see Umek, R.M. (1007) 1
Lu, K.-S., see Liao, T.-H. (1007) 15

Mandel, T. and Trachsel, H.
Yeast, *Saccharomyces cerevisiae*, cell-free translation: the inhibition of translation by high temperature is reversible (1007) 80
Maroto, F.G., see Mateu, M.G. (1007) 55
Masamune, Y., see Shibata, H. (1007) 184
Mateu, M.G., Maroto, F.G., Vicente, O. and Sierra, J.M.
Phosphorylation and guanine nucleotide exchange on polypeptide chain initiation factor-2 from *Artemia* embryos (1007) 55
Matsuzawa, Y., see Shioda, M. (1007) 254
May, B.K., see Srivastava, G. (1007) 192
Mays-Ichinco, C.A., see Ramanathan, L. (1007) 283
McCray, Jr., W.H., see Doetsch, P.W. (1007) 309
Mikhailov, I., see Avramova, Z. (1007) 109
Misra, S., Zafarullah, M., Price-Haughey, J. and Gedamu, L.
Analysis of stress-induced gene expression in fish cell lines exposed to heavy metals and heat shock (1007) 325
Mitchell, T.J., Walker, J.A., Saunders, F.K., Andrew, P.W. and Boulnois, G.J.
Expression of the pneumolysin gene in *Escherichia coli*: rapid purification and biological properties (1007) 67
Mizuno, S., see Waga, S. (1007) 209
Moav, B., see Englander, E. (1007) 277
Mukai, T., see Arai, Y. (1007) 91
Mukai, T., see Sakakibara, M. (1007) 334
Murakami-Murofushi, K., see Shioda, M. (1007) 254

Nagabhushan, T.L., see Ramanathan, L. (1007) 283
Nakamura, E., see Sakata, T. (1007) 124
Nakanishi, Y., see Shibata, H. (1007) 184
Nakano, K., see Kodaira, K.-I. (1007) 359
Neilan, J., see Keaveney, M. (1007) 289
Nickel, B.E. and Davie, J.R.
The protamine gene chromatin in developing trout testis exists in an altered state (1007) 23

Ohnishi, Y., see Sakikawa, T. (1007) 158
Ohta, J., see Shioda, M. (1007) 254
Okamoto, M., see Sakata, T. (1007) 124
Ono, T., see Sakata, T. (1007) 124

Pallotta, D., see Savard, L. (1007) 264
Pan, F.-M., see Chao, S.-C. (1007) 233
Parodi, S., see Tornaletti, S. (1007) 112
Pedrini, A.M., see Tornaletti, S. (1007) 112
Pieper, F.R., see Bloemendal, H. (1007) 245
Price-Haughey, J., see Misra, S. (1007) 325

Quesada, P., Farina, B. and Jones, R.
Poly(ADP-ribosylation) of nuclear proteins in rat testis correlates with active spermatogenesis (1007) 167

Ralph, R.K., see Darkin, S.J. (1007) 295
Ralph, R.K., see Goulding, M.D. (1007) 99
Ramanathan, L., Le, H.V., Labdon, J.E., Mays-Ichinco, C.A., Syto, R., Arai, N., Nagabhushan, T.L. and Trotta, P.P.
Multiple forms of recombinant murine interleukin-4 expressed in COS-7 monkey kidney cells (1007) 283
Rocco, M., see Ferrari, N. (1007) 30
Russo, P., see Tornaletti, S. (1007) 112

Sakakibara, M., Takahashi, I., Takasaki, Y., Mukai, T. and Hori, K.
Construction and expression of human aldolase A and B expression plasmids in *Escherichia coli* host (1007) 334
Sakata, T., Nakamura, E., Tsuruta, Y., Tamaki, M., Teraoka, H., Tojo, H., Ono, T. and Okamoto, M.
Presence of pancreatic-type phospholipase A_2 mRNA in rat gastric mucosa and lung (1007) 124
Sakikawa, T., Akimoto, S. and Ohnishi, Y.
The *pnd* gene in *E. coli* plasmid R16: Nucleotide sequence and gene expression leading to cell Mg^{2+} release and stable RNA degradation (1007) 158
Saunders, F.K., see Mitchell, T.J. (1007) 67
Sautière, P., see Crevel, G. (1007) 36
Savard, L., Laroche, A., Lemieux, G. and Pallotta, D.
Developmentally regulated late mRNAs in the encystment of *Physarum polycephalum* plasmodia (1007) 264
Schreiber, E., see Superti-Furga, G. (1007) 237
Shibata, H., Zheng, J.-H., Koikeda, S., Masamune, Y. and Nakanishi, Y.
Cis- and *trans*-acting factors for transcription of the adenovirus 12 E1A gene (1007) 184
Shimada, H., see Taira, M. (1007) 203
Shingler, V. and Thomas, C.M.
Analysis of nonpolar insertion mutations in the *trfA* gene of IncP plasmid RK2 which affect its broad-host-range property (1007) 301
Shioda, M., Matsuzawa, Y., Murakami-Murofushi, K. and Ohta, J.
DNA synthesis by the isolated nuclear matrix from synchronized plasmodia of *Physarum polycephalum* (1007) 254
Sierra, J.M., see Mateu, M.G. (1007) 55

Sies, H., see Di Mascio, P. (1007) 151
Srivastava, G., Bawden, M.J., Anderson, A. and May, B.K.
Drug induction of P450IIB1/IIB2 and 5-aminolevulinate synthase mRNAs in rat tissues (1007) 192
Stein, G.S., see Wolfe, S.A. (1007) 140
Stein, J.S., see Wolfe, S.A. (1007) 140
Superti-Furga, G., Barberis, A., Schreiber, E. and Busslinger, M.
The protein CDP, but not CP1, footprints on the CCAAT region of the γ-globin gene in unfractionated B-cell extracts (1007) 237
Syto, R., see Ramanathan, L. (1007) 283

Taira, M., Iizasa, T., Yamada, K., Shimada, H. and Tatibana, M.
Tissue-differential expression of two distinct genes for phosphoribosyl pyrophosphate synthetase and existence of the testis-specific transcript (1007) 203
Takahashi, I., see Sakakibara, M. (1007) 334
Takanami, M., see Kimura, T. (1007) 318
Takasaki, Y., see Sakakibara, M. (1007) 334
Taketo, A.
RNA transfection of *Escherichia coli* by electroporation (1007) 127
Taketo, A., see Kodaira, K.-I. (1007) 359
Takeya, T., see Kimura, T. (1007) 318
Tamaki, M., see Sakata, T. (1007) 124
Tamiya-Koizumi, K., see Yoshida, S. (1007) 61
Tasseron-de Jong, J.G., Den Dulk, H., Van de Putte, P. and Giphart-Gassler, M.
De novo methylation as major event in the inactivation of transfected herpesvirus thymidine kinase genes in human cells (1007) 215
Tatibana, M., see Taira, M. (1007) 203
Teraoka, H., see Sakata, T. (1007) 124
Thomas, C.M., see Shingler, V. (1007) 301
Tojo, H., see Sakata, T. (1007) 124
Tornaletti, S., Russo, P., Parodi, S. and Pedrini, A.M.
Studies on DNA binding of caffeine and derivatives: evidence of intercalation by DNA-unwinding experiments (1007) 112
Trachsel, H., see Mandel, T. (1007) 80
Trotta, P.P., see Ramanathan, L. (1007) 283
Tsanev, R., see Avramova, Z. (1007) 109
Tsuruta, Y., see Sakata, T. (1007) 124

Umek, R.M., Linskens, M.H.K., Kowalski, D. and Huberman, J.A.
New beginnings in studies of eukaryotic DNA replication origins (1007) 1

Valenzuela, M.R.L., see Doetsch, P.W. (1007) 309
Van de Putte, P., see Tasseron-de Jong, J.G. (1007) 215
Vicente, O., see Mateu, M.G. (1007) 55
Vidali, G., see Ferrari, N. (1007) 30

Waga, S., Mizuno, S. and Yoshida, M.
Nonhistone proteins HMG1 and HMG2 suppress the nucleosome assembly at physiological ionic strength (1007) 209
Walker, J.A., see Mitchell, T.J. (1007) 67
Wefers, H., see Di Mascio, P. (1007) 151
Wolfe, S.A., Anderson, J.V., Grimes, S.R., Stein, G.S. and Stein, J.S.
Comparison of the structural organization and expression of germinal and somatic rat histone H4 genes (1007) 140
Wong, R.S.L., Kapp, L.N. and Dewey, W.C.
DNA fork displacement rate measurements in heated Chinese hamster ovary cells (1007) 224
Woynarowski, J.M. and Beerman, T.A.
Preferential effect of bleomycin on newly replicated chromatin in nuclei from L1210 cells (1007) 116

Yamada, K., see Taira, M. (1007) 203
Yoshida, M., see Waga, S. (1007) 209
Yoshida, S., Tamiya-Koizumi, K. and Kojima, K.
Interaction of DNA polymerases with phospholipids (1007) 61

Zafarullah, M., see Misra, S. (1007) 325
Zheng, J.-H., see Shibata, H. (1007) 184
Zhou, X.-g., see Lau, P.P. (1007) 73